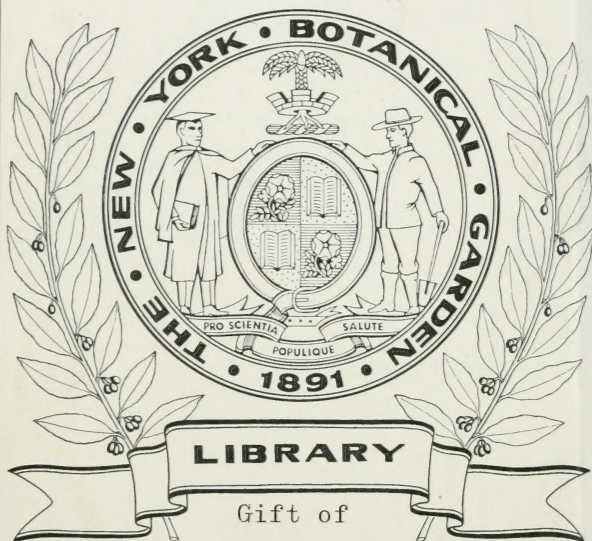


QK
177
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HOWELL
—
CATALOGUE
OF THE
FLORA OF
OREGON, WASHINGTON, AND
IDAHO

QK177

.H6



Gift of
Dr. William H. Loery
in memory of
AIDA SEVILLA LOERY

69. Howell, Thomas (Jefferson) (1842-1912). *Cat. Oregon, Washington, and Idaho*. 23 pages, wrap (1877).

"By 1887 this had grown to a "Catalogue . . . comprising more than 200 varieties." (Humphrey p. 119)

CATALOGUE

OF THE

FLORA

OF

OREGON, WASHINGTON, and IDAHO.

ANNOUNCEMENT.

I will furnish Botanists with all I can find of their desiderata from this coast at ten cents per specie; all specimens to be complete, with fruit and flowers: and roots, when possible.

I have collected Botanical specimens for sale, for the last four years and my plants have given good satisfaction wherever they have been received.

All plants will be securely packed, and sent by Mail, free of charge their safe arrival guaranteed,

Full sets, of all I can find, will be furnished at five cents per specie. Large quantities of any class of plants; or large quantities of any specie will be furnished at \$5. per 100 specimens.

I have published a Catalogue of the Flora of Oregon, Washington, and Idaho; which I will send on application price ten cents. In case plants are purchased, the money will be refunded.

Thomas Howell.

Arthur, Oregon.

CATALOGUE of the PLANTS OF N. WESTERN AMERICA.

BY
THOMAS HOWELL,
Sauvie's Island Oregon.

RANUNCULACEÆ.

- Clematis ligusticifolia*, Nutt.
 Douglasii, Hook.
 verticillaris, D. C.
Anemone occidentalis, Watson.
 multifida, D. C.
 nemorosa, Linn.
 deltoides, Hook.
Troutvetteria grandis, Nutt.
Thalictrum occidentale, Gray.
 polycarpum, Watson.
 dioicum, Linn.
Myosurus minimus Linn.
 aristatus Benth.
Ranunculus aquatilis Linn. ;
 var. *heterophyllus* D. C.
 var. *trichophyllus* Chaix.
 flamula, Linn.
 var. *intermedius*, Hook.
 var. *Unalaschensis*, Ledeb.
 var. *repens*, Meyer.
 alismæfolius, Geyer.
 affinis, R. Br. ; var.
 cordiophyllus, Gray.
 cymbalaria, Pursh.
 glaberrimus, Hook.
 Hookerii, Regel.
 macranthus, Scheele.
 Nelsonii, Gray
 var. *tenellus*, Gray
 occidentalis, Nutt.
 var. *emus*, Gray.
 Pennsylvanicus, Linn.
 sceleratus, Linn.
 orthorhynchus, Hook.
 multifidus, Pursh.
 muricatus, Linn.

- Callia biflora* D. C.
 leptosepala D. C.
Isopyrum Hachii Gray.
 stipitatum Gray.
Aquilegia formosa Fisch.
Coptis occidentalis T. & G.
 asplenifolia Salisb.
Delphinium Menziesii D. C.
 bicolor Nutt.
 depauperatum Nutt.
 simplex Dougl.
 triflorum Gray.
 scopolorum Gray.
Aconitum Canadense Nutt.
 Napellus L. ; var.
 delphinifolia Sering.
Cimicifuga elata Nutt.
Actea spicata L. ; var. *arguta* C.
Paeonia Brownii Dougl.

BERBERIDACEÆ.

- Berberis aquifolium* Pursh.
 repens Lindl.
 nervosa Pursh.
Vancouveria hexandra Morr.
Achlys triphylla D. C.

NYMPHÆACEÆ.

- Nuphar polysepalum* Engelm.
 advena Ait.
Brasenia peltata Pursh.

PAPAVERACEÆ.

- Eschscholizia Douglasii* Benth.
Platystigma lineare Benth.
 Oregana Benth. & Hook.
Darlingtonia Californica Torr.

FUMARIACEÆ.

- Dicentra cucularia*, D. C.
formosa D. C.
Corydalis Scoulerii Hook.

CRUCIFERÆ.

- Nasturtium obtusum* Nutt.
curvisiliqua,
 var. *lyratum* Watson,
palustra D. C.
officinale R. Br.
sinnuatum, Nutt.
Barbarea vulgaris, R. Br.
Arabis perfoliata Lam.
Drummondii, Gray.
Holboellii Hornem,
arcuata Gray.
hirsuta Scop.
canescens Nutt.
Lyallii Watson.
Cardamine hirsuta Linn.
angulata Hook.
pratense Linn.
oligosperma Nutt.
Brewerii Watson.
cordifolia Gray.
Dentaria tenella Pursh.
Sisymbrium glaucum Nutt.
officinale Scop.
linifolia Nutt.
canescens Nutt.
incisum Engelm. ; var.
filipes Gray.
 var. *Hartwegianum* Watson.
reflexum Nutt.
Erysimum asperum D. C.
 var. *Arkansanum* Gray.
cheiranthoides Linn.
Thelypodium sagittatum Endl.
laciniatum Endl.
integrifolia Endl.
Nuttallii Watson.
Cheiranthus Menziesii, B. & H.
Brasica campestris Linn.
Stanleya pinnatifida Nutt.
Smolowskia calycina Meyer
Vesicaria montana Gray.
Thlaspa alpestre Linn.

Draba aurea, Vahl.

- memorosa*, L. ; var.
leiocarpa, Lindl.
Cachlearia anglica, Linn.
Capsella divaricata, Walp.
Bursa-pastoris, Moench.
Platyspermum scapigerum, Hook.
Lepidium dictyotum, Gray.
oxycarpum, T. & G. ; var.
strictum Watson.
intermedium, Gray.
montanum, Nutt.
rudemale, Linn.
Menziesii, D. C.
nitidum, Nutt.
Virginicum, Linn.
Thysanocarpus pusillus, Hook.
curvipes, Hook.
Physaria didymocarpa, Gray.

CAPPARIDACEÆ.

- Polanisia trichysperma*, T. & G.
Clome lutea, Hook.
integrifolia, T. & G.
platycarpa, Torr.

VIOLACEÆ.

- Viola palustris*, Linn.
blanda, Willd.
canine, L. v. *adunca*, Gray.
 var. *longipes*, Watson.
cuculata, Ait.
aurea, Kellogg.
Nuttallii, Pursh.
sarmentosa, Dougl.
glabella, Nutt.
Hallii, Gray.
chrysantha, Hook.
Beckwithii, T. & G.

POLYGALACEÆ.

- Polygala Californica*, Nutt.

CARYOPHYLLACEÆ.

- Silene Lyallii*, Watson.
campanulata, Wat.
montana, Watson.
Gallica, Linn.

antirrhina, Linn.
Menziesii, Hook.
Hookeri, Nutt.
Oregana, Watson.
vericunda, Watson.
Douglasii, Hook.
Scouleri, Hook.
Spaldingii, Hook.
incompta, Gray.
Vaccaria vulgaris, Host.
Lychnis Githago, Lhm.
Cerastium nutans, Raf.
 arvense, Linn.
 vulgatum, Linn.
 viscosum, Linn.
 pilosum, Ledeb.
Stellaria media, Linn.
 nutans, Nutt.
 longipes, Goldie.
 Borealis, Bigelow.
 var. *alpestris*, Gray.
 crispa, Cham. & Schl.
 longifolia, Muhl.
Arenaria congesta, Nutt.
 var. *subcongesta*, Watson.
 capillaris, Poir.
 Franklinii, Dougl.
 peploides, L.; var.
 oblongifolia, Watson.
 Douglasii, T. & G.
 Californica, Brewer.
 tenella, Nutt.
 serphyllifolia, Linn.
 Michauxii, Hook.
 arctica, Stev.
 verna, Linn.
 lateriflora, Linn.
 macrophylla, Hook.
Sagina occidentalis, Watson.
 Linnæi, Presl.
Spergula arvensis, Linn.
Lepigonum medium, Fries.
 rubrum, Fries.
Pentstemon ramosissimus, H. & A.

PORTULACACEÆ.

Portulaca oleraceæ, Linn.
Calandrinia Menziesii, Hook.
 pygmæa, Gray.
 Nevadensis, Gray.

Leana, Porter.
Claytonia triphylla, Watson.
 Caroliniana, Michx., var.
 sessilifolia, Torr.
 perfoliata, Donn.
 var. *parviflora*, Torr.
 var. *spathulata*, Torr.
 exigua, T. & G.
 Siberica, Linn.
 parvifolia, Mocq.
 Chamissonis, Esch.
 var. *tenerima*, Gray.
 linearis, Dougl.
 diffusa, Nutt.
 bulbifera, Gray.
 dichotoma, Nutt.
Montia fontana, Linn.
Sprague umbellata, Torr.
Lewisia rediviva, Pursh.

ELATINACEÆ.

Elatina Americana, Arn.
Bergia Texana, Seubert.

HYPERICACEÆ.

Hypericum Scouleri, Hook.
 perforatum, Linn.
 anagaloides, Cham. & Schl.

MALVACEÆ.

Malva borealis, Wallman.
 rotundifolia, Linn.
Sidalcea humilis, Gray.
 malvaeflora, Gray.
Malvestrum Munroanum, Gray.
Sphæralcea rivularis, Dougl.
Sida hederacea, Torr.

LINACEÆ.

Linum perenne, Linn.
 digynum, Gray.

GERANIACEÆ.

Geranium incisum, Nutt.
 Richardsonii, F. & M.
 Carolinianum, Linn.
Erodium cicutarium, L'Her.
 moschatum, L'Her.

Linum Douglasii R. Br.
Elaeagnus proserpincoideus Willd.
Oxalis Oregona Nutt.
 acetosella Linn.
 corniculata Linn.
Impatiens pallida Nutt.
 flava Nutt.

CELASTRACEÆ.

Enonymus occidentalis Nutt.
Pachystima myrsinites Raf.

RHAMNACEÆ.

Rhamnus alnifolia L. Hervey
Purshiana D. C.
 Californica Esch.
Ceanothus thyrsiflora Dougl.
 sanguineus Pursh.
 velutinus Dougl.
 integerrimus Hook. & Arn.
 divaricatus Nutt.
 cuneatus Nutt.
 prostratus Benth.

VITACEÆ.

Vitis Californica Benth.

SAPINDACEÆ.

Acer macrophylla Pursh.
 glabrum Torr.
 circinatum Pursh.

ANACARDIACEÆ.

Thuja diversiloba T. & G.
 aromatica Ait ; v. *triloba*.
 glauca Linn.

LEGUMINOSÆ.

Thermopsis montana Nutt.
Lupinus Chamissonis Esch.
 polyphyllus Lindl.
 ryularis Dougl.
 Wyethii Watson.
 Buckii Watson.
 littoralis Dougl.
 arcticus Watson.
 Sabini Dougl.

Lupinus albicanalis Dougl.
 var. *Bridgesii* Watson.
 ornatus Dougl.
 sulphureus Dougl.
 sericeus Pursh.
 leucophyllus Dougl.
 lepidus Dougl.
 flexuosus Lindl.
 parviflorus Nutt.
 laxiflorus Dougl.
 argenteus Pursh.
 holosericeus Nutt.
 caespitosus Nutt.
 aridus Dougl.

 var. *Lobbii* Watson.
 minimus Dougl.
 Lyallii Gray.
 micranthus Dougl.
 var. *bicolor* Watson.
 microcarpus Sims.
 pusillus Pursh.

Trifolium megacephalum Nutt.
 eriocephalum Nutt.
 plumosum Dougl.
 longipes Nutt.

 var. *latifolium* Hook.
 pratense Linn.

altissimum Dougl.
 Beckwithii Brewer.
 procumbens Linn.
 repens Linn.
 macraei Hook. & Arn.

 var. *dielotomum* Brewer
 ciliatum Nutt.

Knigii Watson.
 gracilentum T. & G.

 var. *bifidum* Gray.

involutatum Willd.

 var. *heterodon* Watson.

tridentatum Lindl.

pauciflorum Nutt.

microcephalum Pursh.

micron Hook. & Arn.

cyathiferum Lindl.

fucatum Lindl.

Melilotus alba Lam.

Hosackia crassifolia Benth.

bicolor Dougl.

gracilis Benth.

parviflora Benth.

subpinata T. & G.

Hosackia Purshiana Benth.
 leucocarpa Benth.

Ceanothus americanus Dougl.
 lanceolata Pursh.

Glycyrrhiza lepidota Nutt.
 var. *glutinosus* Watson.

Petalostemon macrostachys Torr.

Astragalus lentiginosus Dougl.

Hookerianus Dietr.

Preslii Dougl.

spectrocarpus Gray.

filipes Torr.

Howellii Gray.

multiflorus Gray.

porrectus Watson.

arrectus Gray.

Webberii Gray.

Mortoni Nutt.

obscurus Watson.

Spaldingii Gray.

Kentrophyta Gray.

 var. *elatus* Watson.

Collinus Dougl.

 var. *subglabra* Gray.

reventus Gray.

serotinus Gray.

pauciflorus Hook.

lentiginosus Dougl.

diphysus Gray.

succumbens Dougl.

Shortianus Nutt.

glareosus Dougl.

Oreganus Nutt.

miser Dougl.

Vicia gigantea Hook.

Americana Muhl.

 var. *truncata* Brewer.

sativa Linn.

exigua Nutt.

hirsuta Koch

Lathyrus maritimus Bigelow.

polyphyllus Nutt.

venosus Muhl.

paluster Linn.

 var. *myrtifolius* Gray.

littoralis Endl.

Nevadensis Watson.

Torreyi Gray.

vestitus Nutt.

acutatus Nutt.

Lathyrus albus Watson.
 ochroleucus Hook.

ROSACEAE

Prunus subcordatus Benth.

emarginatus Nutt.

 var. *molle* Brewer.

demissa Walpers.

Nuttallia cerasioides T. & G.

Spiraea betulifolia Lallas.

 var. *rosae* Gray.

Douglasii Hook.

 var. *Menziesii* Presl.

 var. *Nobleana* Watson.

discolor Pursh.

 var. *ariefolia* Watson.

 var. *dumosa* Watson.

Aureus Linn.

caespitosa Nutt.

Physocarpus Torreyi Maxim.

opulifolia var. *molle* Max.

Eriogonida peruinata Hook.

Rubus Nutkanus Mogino

spectabilis Pursh.

 var. *Menziesii* Watson.

leucodermis Dougl.

pedatus Smith.

ursinus Cham. & Schl.

strigosus Michx.

Purshia tridentata D. C.

Cercocarpus ledifolius Nutt.

intricatus Watson.

parvifolius Nutt.

Geum macrophyllum Willd.

urbanum L. v. *Oregonense*

triflorum Pursh.

Potentilla glandulosa Lindl.

 var. *Nevadensis* Watson

rivalis Nutt.

 var. *millegrana* Watson.

Plattensis Nutt.

Norvegica Linn.

supina Linn.

Hippiana Lehm var.

pulcherima Watson

gracilis Dougl.

 var. *labeliiformis*

 var. *fastigiata* Wats.

fragiformis Willd. var.

villosa Regel & Pilny

- Potentilla gelida* C. Meyer.
brevifolia Nutt.
Anserina Linn.
 var. *grandis* Nutt.
 palustris Scop.
Horkelia fusca Lindl.
 capitata Lindl.
 congesta Hook.
Alchemilla arvensis Scop.
Agrimonia Eupatoria Linn.
Poterium officinale Benth. & H.
 annuum Nutt.
Rosa Californica Cham. & Schl.
 pisocarpa Gray.
 Nutkana Presl.
 gymnocarpa Nutt.
Pirus rivularis Dougl.
 sambucifolia Cham. & Schl.
Cratægus rivularis Nutt.
 Douglasii Lindl.
Amalanchier alnifolia Nutt.
Peraphyllum ramosissimum N.

SAXIFRAGACEÆ;

- Saxifraga Virginiensis* Michx.
 nivalis Linn.
 integrifolia Hook.
 leucanthemifolia Michx.
 bryophora Gray.
 heterantha Hook.
 punctata Linn.
 Tolmiei T. & G.
 trienspidata Ritz.
 bronchialis Linn.
 var. *cherleroides* Gray.
 elegans Nutt.
 ranunculifolia Hook.
 cæspitosa Linn.
Sullivantia Oregana Watson.
Boykinia occidentalis T. & G.
 major Gray.
Bolandra Oregana Watson.
Tolmiea Menziesii T. & G.
Suksdorfia violacea Gray.
Tellima grandiflora Hook.
 pauciflora Watson.
Tiarella unifoliata Hook.
 refoliosa Linn.
Mitella trifida Graham.
 caulescens Nutt.

- Heucharia micrantha* Dougl.
 cymulica Dougl.
 glabra Willd.
 parvifolia Nutt.
Chrysosplenium glechonifolium
Parnassia palustris Linn.
 fimbriata Koenig.
Philadelphus Lewisii Pursh.
 Gordonianus Lindl.
Whipplea modesta Torr.
Ribes Menziesii Pursh.
 Lobbii Gray.
 rotundifolia Michx.
 divaricatum Dougl.
 var. *irriguum* Gray.
 laeustre Poir. v. *molle* Gr.
 var. *parvulum* Gray.
 laxiflorum Pursh.
 Hudsonianum Richard.
 bracteosum Dougl.
 cereum Dougl.
 viscosissimum Pursh.
 sanguineum Pursh.
 aureum Pursh.
 var. *triflorum* Torr.
 gracile Michx.

CRASSULACEÆ,

- Tillæa angustifolia* Nutt.
Sedum Rhodiola D. C.
 spatulifolium Hook.
 Oreganum Nutt.
 stenopetalum Pursh.
 Douglasii Hook.
 pumilum Benth.
Cotyledon Oreganum Watson.

DROSERACEÆ.

- Drosera rotundifolia* Linn.
 Anglica Hudson.

LYTHRACEÆ.

- Ammannia latifolia* Linn.
 humilis Michx.

LOASACEÆ.

- Myriophyllum verticillatum* Nutt.
 hippuroides Nutt. Nutt.

Myriophyllum Nutt.
spicatum Linn.
dissectum Linn.

oxyanthum Nutt.

Ludwigia palustris Mill.
epilobioides Linn.

serotina Torr.

anthracina Nutt.

suffruticosa Nutt.

affinis Bong.

terrestris Linn.

colobata Nutt.

palustris Linn.

minutum Lindl.

paniculatum Nutt.

origanifolium Linn.

glaberrimum Barb.

Gayophytum diffusum T. & G.

ramosissimum T. & G.

racemosum T. & G.

Oenothera biennis Lindl.

albicaulis Nutt.

caespitosa Nutt.

triloba Nutt.

Nuttallii T. & G.

heterantha Nutt.

strigulosa T. & G.

var. *pubens* Watson.

dentata Cav.

andina Nutt.

Boottii Dougl.

scapoidea Nutt.

var. *purpurea* Wats.

Goditia purpurea Watson.

lipida Lindl.

var. *parviflora* Watson.

var. *Arnottii* Watson.

albescens Lindl.

quadrivulneria Späch.

tenella Watson.

vininea Späch.

ancena Lilja.

epilobioides Watson.

Boisduvalia Torreyi Watson.

densiflora Watson.

glabella Walp.

Clarkia pulchella Pursh

rhomboides Dougl.

elegans Lindl.

Gaura parviflora Dougl.

Circea Pacifica A. N. S. & M. G.

LOASACEÆ.

Mentzelia albicaulis Dougl.

dispersa Watson.

composita T. & G.

arvensis T. & G.

viridis Nutt.

CUCURBITACEÆ.

Megarrhiza Oregona Torr.

RUFOIDEÆ.

Achillea millefolium Linn.

UMBELLIFERÆ.

Hydrocotyle ranunculoides Lin.

Ceanothus laevis Nutt.

Eryngium petiolatum Hook.

var. *juncifolium* Gray.

var. *armatum* Watson.

Santolina Menziesii Hook. & Ar.

bipinnatifida Dougl.

Coma maculata Linn.

Ceanothus Gairdnerii Benth. & Hoo.

Pimpinella apiodora Gray.

Cicuta maculata Linn.

Sium occidentalis Gmelin.

Osmorhiza nuda Torr.

longistylis D. C.

Glycyrrhiza ambigua Gray.

occidentalis Nutt.

Ceanothus sarmentosa Nutt.

Thalictrum trifoliatum Gray.

Ligusticum Scoticum Linn.

colifolium Benth. & Hook.

populorum Gray.

Anglica genuiflexa Nutt.

arguta Nutt.

Archangelica Gmelini D. C.

Cyanopterus terebinthinus T. & G.

Phacopteris littoralis Schmidt.

Pentstemon leiocarpus Nutt.

Nuttallii Watson.

sturnatum Nutt.

implex Nutt.

ambigua Nutt.

virgatum Nutt.

fallii Watson.

atriulatum Nutt.

- Peucedanum millifolium* Watson.
macrocarpum Nutt.
 var. *eurycarpum* Gray.
dasycarpum T. &
ferinosum Geyer.
nudicaule Nutt.*
Ferula dissoluta Watson
multifida Gray.
Hareicum lanata Michx.
Daucus pusillus Michx.

ARALIACEÆ.

- Aralia Californica* Watson.
Fatsia horrida Benth. & Hook.

CORNACEÆ.

- Cornus Canadensis* Linn.
sericea Linn.
Nuttallii Audibon.
stolonifera Michx.
pubescens Nutt.
Garrya elliptica Dougl.
Fremontii Torr.

CAPRIFOLIACEÆ.

- Sambucus glauca* Nutt.
racemosa Linn.
Viburnum ellipticum Hook.
pauçiflorum Pylaie
Linnaea borealis Gronov.
Symphoricarpos racemosus Mx.
rotundifolius Gray.
occidentalis R. Br.
Lonicera hispidula Dougl.
 var. *Douglasii* Gray.
 var. *vaccillans* Gray.
ciliosa Poir.
cerulea Linn.
involuta Banks.
conjugalis Kellogg.

RUBIACEÆ.

- Kelloggia galioides* Torr.
Galium aparine Linn.
triflorum Michx.
trifidum Linn.
boreale Linn.
rubioides Linn.
Littellii Oaks.

VALERIANACEÆ.

- Valeriana edulis* Nutt.
capitata Willd.
Plectritis congesta D. C.
macrocera T. & G.

DIPSACEÆ.

- Dipsacus sylvestris* Mill.

COMPOSITÆ.

- Eupatorium occidentale* Hook.
Brickellia macrophylla Gray.
oblongifolia Nutt.
grandiflora Nutt.
Adenostyles nardosmia Gray.
Grindelia nana Nutt.
hirsutula Hook. & Arn.
integrifolia D. C.
squarosa Durnal.
discoidea Nutt.
Chrysopsis villosa Nutt.
Oregana Gray
Aplopappus paniculatus Gray.
hailii Gray.
resinosus Gray.
Bloomerii Gray.
suffruticosa Gray.
canus Eaton.
lanceolatus T. & G.
multiflorus T. & G.
Nuttallii T. & G.
discoidea Gray.
florifer Gray.
anthimoides Gray.
radiata
racemosa
Bigelovia graveolens Gray.
 var. *albicaulis* Gray.
Douglasii Gray.
 var. *serulata* Gray.
 var. *puberula* Gray.
Solidago occidentalis Nutt.
elongata Nutt.
humilis v. *confertiflora*
serotina Ait.
gigantea Ait.
Sericocarpus rigidus Lindl.
Aster canescens Pursh.
radulinus Gray.

- Aster Douglasii* Lindl.
integrifolius Nutt.
alpigenus Gray.
Menziesii Lindl.
Nuttallii T. & G.
campestris Nutt.
bracteolatus Nutt.
modesta Lindl.
elegans T. & G.
Oreganus Nutt.
Engelmannii
ledophyllus Gray.
Halli Gray.
Sayii Nutt.
multiflorus Ait.
Cusickii Gray.
novi-Belgii Linn.
simplex Willd.
Brachyaetis frondosa Gray.
Townsendia Parryi Gray.
Erigeron Bloomerii Gray.
inornatus Gray.
corymbosus Nutt.
decumbens Nutt.
filifolius Nutt.
periclyptus Gray.
ochroleucus Nutt.
var. hirtellus Gray.
compositus Pursh.
nanus Nutt.
concinus T. & G.
var. condensatus Eaton.
var. aphanactis Gray.
uniflorus Linn.
glaucus Ker.
speciosus D. C.
Philadelphicum Linn.
glabellus Nutt.
salsuginosus Gray.
var. Howellii Gray.
divergens T. & G.
annuus Presl.
strigosus Muhl.
occidentalis Nutt.
Canadensis Linn.
Baccharis pilularis D. C.
Adenocaulon bicolor Hook.
Micropus Californicus F. & M.
Psilocarphus Oreganus Nutt.
var. elator Gray.
teneos Nutt.
Evax ciliatensis Gray.
- Antennaria racemosa* Hook.
dimorpha T. & G.
flagillaris Gray.
dioica G. & G.
var. rosea Eaton.
alpina G. & G.
Geyerii Gray.
plantaginifolia Hook.
Anaphalis margaritacea Benth.
Gnaphalium decurrens Ives.
Sprengelii Hook. & Arn.
microcephalum Nutt.
palustre Nutt.
uliginosum Linn.
purpureum Linn.
leucoccephalum Gray.
Iva axillaris Pursh.
Ambrosia artemisiifolia Linn.
Franseria Hookeriana Nutt.
bipinnatifida Nutt.
Chamissonis Less.
Xanthium strumarium Linn.
Rudbeckia occidentalis Nutt.
Balsamorhiza Careyana Gray.
Hookeri Nutt.
sagittata Nutt.
deltoides Nutt.
Wyethia angustifolia Nutt.
heliantoides Nutt.
amplexicaulis Nutt.
Helianthella Douglasii T. & G.
Helianthus petiolaris Nutt.
annuus Linn.
Nuttallii T. & G.
Coreopsis Atkinsoniana Dougl.
Bidens bipinnata Linn.
cernua L. v. *elata* T. & G.
Blepharipappus scaber Hook.
Madia Nuttallii Gray.
elegans Dougl.
sativa Molina.
var. congesta T. & G.
var. racemosa Gray.
var. dissitiflora Gray.
glomerata Hook.
filipes Gray.
Hemizonella parvula Gray.
Lagophylla ramosissima Nutt.
Layia glandulosa Hook. & Arn.
Douglasii Hook. & Arn.
Jaumea carnosa Gray.
Beria greilis Gray.

Bahia lanata D. C.
 integrifolia D. C.
 gracilis Hook. & Arn.
Lasthenia glaberrima D. C.
Hulsea nama Gray.
Rigiopappus leptocladius Gray.
Chaenactis Douglasii Hook. & A.
 stevioidea Hook. & Arn.
Gaillardia aristata Pursh.
Hymenopappus filifolius Hook.
Helenium autumnale L. var.
 grandiflora T. & G.
Actinella Richardsonii Nutt.
Crocidium multicaule Hook.
Achillea Millefolium Linn.
Anthemis cotula Linn.
Chrysanthemum leucanthemum
Matricaria discoidea D. C.
Tanacetum Huronense Nutt.
 vulgare Linn.
Artemisia discolor Dougl.
 Ludoviciana Nutt.
 dracunculoides Pursh.
 cana Pursh.
 tridentata Nutt.
 borealis Pallas.
 Canadensis Michx.
 arbuscula Nutt.
 trifida Nutt.
 Lindleyana Besser.
 pumila Nutt.
 pedatifida Nutt.
 Douglasiana Besser.
 Michauxiana Besser.
 Richardsoniana Besser.
 Prescottiana Besser.
 frigida Willd.
 biennis Willd.
Cotula australis Hook.
Nardosmia palmata Hook.
Tetradymia spinosa H. & A.
 canescens D. C.
 var. *inermis* Gray.
 Nuttallii T. & G.
Luina hypoleuca Benth.
Senecio vulgaris Linn.
 Bolanderi Gray.
 aureus Linn.
 var. *balsamitæ* T. & G.
 Howellii E. L. Green.
 Medocinensis Gray.
 andinus Nutt.

Senecio ingens Richardson.
 var. *exaltatus* Gray.
 triangularis Hook.
 subnudus D. C.
 fastigiatus Nutt.
 serra Hook.
Arnica discoidea Benth.
 cordifolia Hook.
 latifolia Bong.
 mollis Hook.
 Chamissonis Less.
 foliosa Nutt.
 alpina Lurr.
 amplexicaulis Nutt.
Saussurea Americana Eaton.
Oniscus undulatus Gray.
 var. *megacephalus* Gray.
 edulis Gray.
 remotifolius Gray.
 Carlinoidea Schrank. var.
 Americanus Gray.
 Drummondii Gray.
 foliosus Gray.
 lanceolatus Hoffm.
Microseris nutans Gray.
 major var. *laciniata* Gray.
 leptosepala Gray.
 laciniata Gray.
 var. *procera* Gray.
 macrochaeta Gray.
 troximoides Gray.
Stephanomeria minor Nutt.
 patulata Nutt.
Malacothrix crepoides Gray.
Crepis occidentalis Nutt.
 var. *crinita* Gray.
 acuminata Nutt.
 Cooperi Gray.
Troximon glaucum Nutt.
 auranticum Hook.
 apargioides Less.
 Nuttallii Gray.
 grandiflorum Gray.
 var. *tenuifolium* Gray.
 retrosum Gray.
 Chilense Gray.
Taraxacum Dens-leonis Desf.
Apargidium boreale T. & G.
Hieracium Scouleri Hook.
 albiflorum Hook.
 triste Willd.
 umbellatum Linn.

Lactuca pulchella D. C.
leucophæa Gray.
Canadensis Linn.
Sonchus asper Villars.
Nabalus albus Hook.
alatus Hook.

LOBELIACEÆ.

Downingia elegans Torr.
pulchella Torr.
Howellia aquatilis Gray.

CAMPANULACEÆ.

Githopsis specularioides Nutt.
specularia perfoliata A. D. C.
Campanula rotundifolia Linn.
Scouleri, Hook.
Heterocodon rariflorum Nutt.

ERICACEÆ

Vaccinium uliginosum Linn.
occidentale Gray.
salicinum Cham.
caespitosum Michx.
var. arbuscula Gray.
var. cuneifolium Nutt.
Myrtillus Linn.
var. microphyllum Hook.
myrtilloides Hook.
ovalifolium Smith.
parvifolium Smith.
Vitis-Idæa Linn.
ovatum Pursh.
Oxycoccus Linn.
macrocarpon Ait.
Arbutus Menziesii Pursh.
Arctostaphylos alpina Spreng.
Uva-ursi Spreng.
Nevadensis Gray.
tomentosa Dougl.
pungens HBK. *var.*
platyphylla Gray.

Gaultheria Myrsinites Hook.
Shallon Pursh.

Cassiope lycopodioides Don.
Mertensiana Don.
tetragona Don.

Bryanthus empetriformis Gray.
glanduliflorus Gray.

Kalmia glauca Ait.
Menziesia glabella Gray.

Menziesia ferruginea Smith.
Rhododendron latiflorum Hook.
occidentale Gray.
Californicum Hook.
macrophyllum Don.
Lapponicum Wahl.

Ledum palustre Linn.
latifolium Ait.
glandulosum Nutt.

Cladanthus pyrolæiflora Bong.
Chimaphila nodellata Nutt.
Menziesii Spreng.
maculata Pursh.

Moneses uniflora Gray.

Pyrola minor Linn.
serotina Linn.
chlorantha Swartz.
elliptica Nutt.
rotundifolia Linn.
var. bracteata Gray.
picta Smith.
aphylla Smith.

Allotropa virgata T. & G.
Pterospora andromedea Nutt.
Monotropa uniflora Linn.
hypopitys Linn.
fimbriata Gray.

Newberrya congesta Torr.

PLUMBAGINACEÆ.

Armeria vulgaris Willd.

PRIMULACEÆ.

Dodecatheon Meadia Linn.
var. macrocarpum Gray.
var. faigidum Gray.
var. latifolium Gray.

Douglasia lævigata Gray.
Androsace septentrionalis Lam.
Trientalis Europæa L. *var.*
arctica Ledeb.
var. latifolia Torr.

Lysimachia thyrsiflora Linn.
Glaux maritima Linn.
Centunculus minimus Linn.
Samolus Valerandi Linn. *var.*
Americanus Gray.

OLEACEÆ.

Fraxinus Oregana Nutt.

APOCYNACEÆ.

- Apocynum androsæmifolium* L.
var. *pumilum* Gray.
cannabinum Linn.

ASCLEPIADACEÆ.

- Asclepias speciosa* Torr.
Mexicana Cav.

GENTIANACEÆ.

- Microcala quadrangularis* Gris.
Erythraea Douglasii Gray.
Gentiana simplex Gray.
 tenella Rottb.
 amarella L. v. *acuta* Hook.
 Douglasiana Bong.
 Newberryi Gray.
 calycosa Griseb.
 Menziesii Griseb.
 sceptrum Griseb.
 Oregana Engelm.
 affinis Griseb.
Fraseria thyrsiflora Hook.
 speciosa Dougl.
 nitida Benth.
 albicaulis Dougl.

POLEMONIACEÆ.

- Phlox cæspitosa* Nutt.
 Douglasii Hook.
 var. *diffusa* Gray.
 linearifolia Gray.
 absurgens Torr.
 speciosa Pursh.
Collomia grandiflora Dougl.
 linearis Nutt.
 var. *subulata* Gray.
 gracilis Dougl.
 aggregata Porter.
 heterophylla Hook.
Gilia liniflora Benth. var.
 pharnaceoides Gray.
 pusilla Benth.
 Bolanderi Gray.
 tenella Benth.
 rudicaulis Gray.
 Nuttallii Gray.
 pungens Benth.

- Gilia pungens* v. *Hookeri* Gray.
 var. *squarrosa* Gray.
 squarrosa Hook. & Arn.
 intertexta Steud.
 minima Gray.
 divaricata Torr.
 floccosa Gray.
 congesta Hook.
 minutiflora Benth.
 capitata Dougl.
 teniflora Benth.
 inconspicua Dougl.
 var. *sinuata* Gray.
Polemonium cæruleum Linn.
 foliosissimum Gray.
 micranthum Benth.

HYDROPHYLLACEÆ.

- Hydrophyllum capitatum* Dougl.
 occidentale Gray.
 Virginicum Linn.
Nemophila Menziesii H. & A.
 parviflora Dougl.
 brevisflora Gray.
Phacelia circinata Jacq.
 ramosissima Dougl.
 sericea Gray.
 Franklinii Gray.
 Menziesii Torr.
 divaricata Gray.
Emmenanthe parviflora Gray.
 lutea Gray.
Conoclinium arctioides Watson.
Romatocchia Sitchensis Bong.
Heperochiron Californicus W.
 pumilus Porter.
Namadensis Gray.

BORRAGINACEÆ.

- Coldenia Nuttallii* Hook.
Heliotropium Curassavicum L.
Pectocarya penicillata A. D. C.
 pusilla Gray.
Cynoglossum grande Dougl.
 ciliatum Dougl.
Echinosperrum diffusum Lehm.
 floribundum Lehm.
 deflexum Lehm.
 Redowskii Lehm.
 Greenii Gray.

- Eritrichium plebeium* A. D. C.
Californicum D. C.
Scouleri A. D. C.
fulvum A. D. C.
canescens Gray.
tenellum Gray.
circumscissum Gray.
barbigerum Gray.
leiocarpum Watson.
muriculatum A. D. C.
 var. *ambiguum* Gray.
pterocaryum Torr.
glomeratum D. C.
leucophaeum A. D. C.
Amsinckia intermedia F. & M.
lycopsoides Lehm.
 var. *bracteosa* Gray.
Mertensia maritima Don.
 oblongifolia Don.
 paniculata Don.
Myosotis verna Nutt.
 var. *macrosperma* Chap.
Lithospermum pilosum Nutt.

CONVOLVULACEÆ.

- Convolvulus Soldanella* Linn.
 sepium L. v. *Americanus*
 occidentalis Gray.
 Californicus Choisy.
Cuscuta arvensis Beyrich.
 salina Engelm.

SOLANACEÆ.

- Solanum nigrum* Linn.
 var. *villosum* Mill.
Nicotiana attenuata Torr.
 quadrivalvis Pursh.
 var. *multivalvis* Gray.

SCROPHULARIACEÆ.

- Verbascum Thapsus* Linn.
 Blattaria Linn.
Linaria Canadensis Dumont.
 vulgaris Mill.
Collinsia grandiflora Dougl.
 var. *pusilla* Gray.
 sparsiflora F. & M.
 parviflora Dougl.
 Rattani Gray.
 linearis Gray.

- Tonella e Almyi* L. Nutt.
 harbmanii Gray.
Scrophularia nodosa Linn.
 Californica Cham.
Chelone nemorosa Dougl.
Pentstemon Menziesii Hook.
 var. *Newberryi* Gray.
 var. *Scouleri* Gray.
 Douglasii Gray.
 glaber Pursh.
 acuminatus Dougl.
 pruinosis Dougl.
 ovatus Dougl.
 ottenuatus Dougl.
 confertus Dougl.
 var. *caeruleo-purpureus*
 deustus Dougl.
 Gairdneri Hook.
 laricifolius Hook. & Arn.
 glandulosus Lindl.
 glaucus Graham.
 venustus Dougl.
 diffusus Dougl.
 Richardsonii Dougl.
 triphyllus Dougl.
 gracilentus Gray.
Minulus nanns Hook. & Arn.
 Douglasii Gray.
 cardinalis Dougl.
 Lewisii Pursh.
 luteus Linn.
 var. *alpinus* Gray.
 var. *depauperatus* Gray.
 alsinoides Benth.
 rubellus Gray.
 floribundus Dougl.
 moschatus Dougl.
 var. *longiflorus* Gray.
 primuloides Benth.
 pilosus Watson.
Gratiola ebracteata Benth.
 Virginiana Linn.
Olysanthus gratioloides Benth.
Limosella oquatica Linn.
Synthyris rotundifolia Gray.
 reniformis Benth.
 var. *major* Hook.
 pinnatifida Watson.
 rubra Benth.
Veronica Anagallis Linn.
 Americana Schwein.
 scutellata Linn.

- Veronica Cusickii* Gray.
Stelleri Pall.
alpina Linn.
serpyllifolia Linn.
peregrina Linn.
arvensis Linn.
Castilleja parviflora Bong.
pallida Kunth.
var. septentrionalis Gray.
Orthocarpus pallescens Gray.
pilosus Watson.
attenuatus Gray.
castilleioides Benth.
pachystachyus Gray.
tenuifolius Benth.
bracteosus Benth.
luteus Nutt.
Tolmiei Hook. & Arn.
pusillus Benth.
hispidus Benth.
Cordylanthus ramosus Nutt.
capitatus Nutt.
Pedicularis Grœnlandica Ritz.
contorta Benth.
racemosa Dougl.
ornithorhyncha Benth.
palustris L. v. *Wlassowiana*
bracteosa Benth.

CROBANCHACEÆ.

- Alyssa uniflora* Gray.
fasciculata Gray.
comosa Gray.
californicum Gray.
plactorum Gray.
Peschkeakia strobilacea Gray.

INFUNDIBULACEÆ.

- Utricularia vulgaris* Linn.
minor Linn.

VERBENACEÆ.

- Verbena hastata* Linn.
bracteosa Michx.

LAMIACEÆ.

- Trichostema longum* Benth.
laucoliolum Benth.
mentha Canadensis Linn.
var. glabrata Benth.

- Lycopus Virginicus* Linn.
sinuatus Ell.
Monardella odoratissima Benth.
Micromeria Douglasii Benth.
Audibertia incana Benth.
Monarda fistulosa Linn.
var. mollis Benth.
Lophanthus urticifolius Benth.
Nepeta Cataria Linn.
Dracœcephalum parviflorum Nu.
Scutellaria lateriflora Linn.
angustifolia Pursh.
antirrhinoides Benth.
galericulata Linn.
Brickellia vulgaris Linn.
Physostegia parviflora Nutt.
Leonurus cardica Linn.
Stachys palustris Linn.
ciliata Dougl.
var. pubens Gray.

PLANTAGINACEÆ.

- Plantago major* Linn.
var. Asiatica Decaisne.
macrocarpa Cham. & Schl.
maritima Linn.
lanccolata Linn.
Patagonica Jacq.
var. gnaphalifoides Gray.
pusilla Nutt.

NYCTAGINACEÆ.

- Abronia umbellata* Lam.
millifra Dougl.
latifolia Esch.
turbinata Torr.
multiflora

POLYGONACEÆ.

- Rumex venosus* Pursh.
occidentalis Watson.
salicifolius Weinmann.
crispus Linn.
conglomeratus Murray.
maritimus Linn.
paucifolius Nutt.
sanguineus Linn.
Acetosella Linn.
Polygonum Paronychia C. & S.
erectum Linn.

Polygonum aviculare Linn.
minimum Watson.
ramosissimum Michx.
tenue Michx.
coarctatum Dougl.
polygaloides Maser.
imbricatum Nutt.
Californicum Meisner.
nodosum Persoon.
amplum Linn.
Muhlenbergii Watson.
aere HBK.
Hydropiper Linn.
persicaria Linn.
Bistorta Linn.
viviparum Linn.
polymorphum Ledeb.
Daviske Brewer.
dumetorum Linn. var.
 scandens Gray.
Convolvulus Linn.
Eriogonum flavum Nutt.
androsaceum Benth.
pyrolaeifolium Hook.
 var. *coryphaeum* T. & G.
incanum T. & G.
thymoides Benth.
Douglasii Benth.
sphaerocephalum Dougl.
umbellatum Torr.
 var. *monocephalum* T. & G.
stellatum Benth.
 var. *bahiaeforme* Watson.
heracleoides Nutt.
compositum Dougl.
acaule Nutt.
cernuum Nutt.
ovalifolium Nutt.
 var. *proliferum* Watson.
dichotomum Dougl.
niveum Dougl.
nudum Dougl.
 var. *pauciflorum* Watson.
 var. *oblongifolium* Watson.
ciatum Dougl.
microthecum Nutt.
corymbosum Benth.
brevicaule Nutt.
strictum Benth.
vinicum Dougl.
Baileyi Watson.
Pterostegia drymarioides F. & K.

AMARANTACEÆ.

Amaranthus hybridus Linn.
hyssopifolius Linn.
retus Linn.
chlorostachys Willd.
Californicus Watson.
Nitroplum octocostatis Watson.

CHENOPODIACEÆ.

Sarcobatus vermiculatus Torr.
Chenopodium arborescens Linn.
 hybridum Linn.
Botrys Linn.
 capitatum Watson.
Monolepis chenopodioides Moq.
Atriplex patula Linn.
 truncata Gray.
Eurotia lanata Moquin.
Grayia polygaloides H. & A.
Corispermum hyssopifolium L.
Salicornia ambigua Michx.
 herbacea Linn.

LAURACEÆ.

Umbellularia Californica Nutt.

ELÆAGNACEÆ.

Shepherdia argentea Nutt.
Canadensis Nutt.

URTICACEÆ.

Celtis reticulata Torr.
 occidentalis var. *pumila*.
Urtica dioica Linn.
Lyallii Watson.

EUPHORBIACEÆ.

Eremocarpus setigerus Benth.
Euphorbia serpyllifolia Pers.
 glyptosperma Engelm.
 dictyosperma F. & M.
 leptocera Engelm.
 maculata Linn.

CALLITRICHACEÆ.

Callitriche sepulta Watson.
vena Linn.

Callitriche Bolanderi Hegelm.
autumnalis Linn.

CERATOPHYLLACEÆ.

Ceratophyllum demersum Linn.

BETULACEÆ.

Betula occidentalis Hook.
glandulosa Michx.
Alnus incana Bong.
rhombifolia Nutt.
incana Willd. var. *virescens*
veridis D. C.

SALICACEÆ.

Salix lasioandra Benth.
var. *lanceifolia* Bebb.
longifolia Muhl.
sessilifolia Nutt.
var. *villosa* Anders.
flavescens Nutt.
Geyeriana Anders.
Sitchensis Sanson.
glauca v. *villosa* Anders.
Populus tremuloides Michx.
trichocarpa T. & G.
balsamifera Linn.
angustifolia James.

CUPULIFERÆ.

Quercus Garryana Dougl.
Breweri Engelm.
chrysolepis Liebm.
Kelloggii Newberry.
Castanopsis chrysophylla A. DC.

CORYLACEÆ.

Corylus rostrata Ait.
var. *Californica* A. DC.
Americana Walter.

ARISTOLOCHACEÆ.

Asarum Hartwegi Watson.
erectum Linn.

SANTALACEÆ.

Comandra umbellata Nutt.
pallida A. DC.

LORANTHACEÆ.

Phoradendron flavescens Nutt.
var. *villosum* Engelm.
Arcanthobium robustum Engelm.
occidentale Engelm.
var. *abietinum* Engelm.
Americana Nutt.

TAXACEÆ.

Taxus brevifolia Nutt.

CONIFERÆ.

Juniperus communis Linn.
occidentalis Hook.
Virginiana Linn.
Sabina Linn.
Cupressus Macnabiana Murr.
Chamaecyparis Lawsoniana Parl.
Nutkaensis Spach.
Thuja gigantea Nutt.
Libocedrus decurrens Torr.
Abies grandis Lindl.
concolor Lindl.
nobilis Lindl.
amabilis Dougl.
subalpina Engelm.
Pseudotsuga Douglasii Carr.
Tsuga Mertensiana Carr.
Pattoniana Engelm.
Picea Sitchensis Carr.
pungens Engelm.
Larix Lyallii Parl.
occidentalis Nutt.
Pinus monacola Dougl.
Lambertiana Dougl.
albicaulis Engelm.
ponderosa Dougl.
var. *Jaffreyi* Engelm.
contorta Dougl.

HYDROCHARIDACEÆ.

Anacharis Canadensis Planch.

ORCHIDACEÆ.

Corallorhiza multiflora Nutt.
Mertensiana Bong.
innata R. Br.
striata Lindl.

Calypso borealis Salisb.
Alectrum filiforme Turcz.
Habenaria elegans Bolander,
 Unalascensis Watson,
 leucostachys Watson,
 hyperborea R. Br.,
 gracilis Watson,
 dilatata Gray.
Speeranthus cernuus Richards.
 Romanzoffiana Cham.
Goodyera Menziesii Lindl.
Listera cordata R. Br.,
 convallarioides Nutt.
Epipactis gigantea Dougl.
Cephalanthera Oregana Reich.
Cypripedium montanum Dougl.

IRIDACEÆ.

Iris macrosiphon Torr.
 Douglasiana Herbert,
 tenax Dougl.,
 longistala Herbert,
 Missouriensis Nutt.
Sisyrinchium bellum Watson,
 Californicum Ait.,
 grandiflorum Dougl.,
 tinctorium HBK.

LILIACEÆ.

Allium Schoenoprasum Linn.,
 cernuum Roth,
 validum Watson,
 Geyeri Watson,
 Douglasii Hook,
 madidum Watson,
 Cusickii Watson,
 collinum Dougl.,
 scillifolium Dougl.,
 acuminatum Hook.,
 acutepetalum Kellogg,
 serratum Watson,
 Nevii Watson,
 maritimum Watson,
 falcifolium H. & A.,
 arceus Kellogg,
 pleianthum Watson,
 Tolmiei Baker.
Brodiaea grandiflora Smith,
 minor Watson,
 erigasta Smith,
 multiflora Benth.

Brodiaea Douglasii Watson,
 laxa Watson,
 laevigata Watson,
 laevis Watson,
 Howellii Watson.
Brevocordia coccinea Watson.
Camassia esculenta Lindl.
Smilacina racemosa Desf.,
 amplexicaulis Nutt.,
 stellata Desf.,
 sessilifolia Nutt.
Maianthemum bifolium DC.
Lilium Washingtonianum Kell.,
 parvum Kellogg,
 Columbianum Hanson,
Fritillaria lanceolata Pursh,
 recurva Benth.,
 atropurpurea Nutt.,
 pudica Spreng.
Erythronium grandiflorum Pur.,
 giganteum Lindl.
Calochortus elegans Pursh,
 var. *nanus* Wood,
 Tolmiei H. & A.,
 apiculatus Baker,
 lilacinus Kellogg,
 Greenii Watson,
 Nuttallii T. & G.,
 nitidus Dougl.,
 macrocarpus Dougl.
Streptopus amplexifolius DC.,
 roseus Michx.,
 brevipes Baker.
Prosartes Menziesii Don,
 Oregana Watson.
Clintonia uniflora Kunth.
Scelopopus Hallii Watson.
Trillium sessile Linn. var.,
 Californicum Watson,
 var. *angustipetalum* Tor.,
 petiolatum Pursh,
 ovatum Pursh.
Veratrum viride Ait.,
 Californicum Durand.
Stenanthium occidentale Gray.
Zygadenus elegans Pursh,
 venenosus Watson,
 paniculatus Watson.
Tofieldia glutinosa Willd.,
 occidentalis Watson.
Xerophyllum tenax Nutt.,
 Douglasii Watson.

PONTEDERIACEÆ.

Schollera graminifolia Willd.

ARACEÆ.

Lysichiton Kamtschaticensis S.

TYPHACEÆ.

Sparganium simplex Hudson.

Typha latifolia Linn.

LEMNACEÆ.

Lemna trisulca Linn.

minor Linn.

polyrrhiza Linn.

NAIADACEÆ.

Najas flexilis Rostk. & Schmidt.

Zostera marina Linn.

Phyllospadix Scouleri Hook.

Lilaea subulata HBK.

Zannichellia palustris Linn.

Ruppia maritima Linn.

Potamogeton natans Linn.

Claytoni Tuckerman.

rufescens Schrad.

lonchites Tuckerman.

and. folius Tuckerman

perfoliatus L. v. lanceolatus

zosterifolius Schum.

caudiflorus Pursh.

usillus Linn.

tinatus Linn.

ebbinsi Oaks

Triglochin maritimum Linn.

Scheuchzeria palustris Linn.

ALISMACEÆ.

Alisma Plantago Linn.

Sagittaria variabilis Engelm.

JUNCACEÆ.

Juncus spadicca DC.

var. parviflora Meyer.

var. subcongesta Watson

comosa Meyer.

- campestris DC.

spicata Desv.

Juncus filiformis Linn.

Balticus Betham.

effusus Linn.

var. brunneus Engelm.

patens Meyer.

Drummondii Meyer.

Parryi Engelm.

bufonius Linn.

triformis Engelm.

tenuis Willd.

var. congestus Engelm.

falcatus Meyer.

longistylis Torr.

nodosus L. v. megacephalus

dubius Engelm.

Nevadensis Watson.

oxymenis Engelm.

xiphioides Meyer.

var. montanus Engelm.

var. triandrus Engelm.

Mertensianus Meyer.

castaneus Smith.

CYPERACEÆ.

Cyperus aristatus Rottb.

acuminatus Torr.

erythrorrhizos Muhl.

phymatodes Muhl.

accidentalis Torr.

Scirpus riparius Spreng.

lacustris L. v. occidentalis

maritimus Linn.

microcarpus Presl.

atrovirens Muhl.

Eriophorum Vaginatū Linn.

polystachyum Linn.

Hemicarpha subsquarrosa Nees.

Eleocharis acicularis R. Br.

palustris R. Br.

obtusa Schult.

Fimbristylis capillris Gray.

Rhynchospora alba Vahl.

Dulichium spathaceum Pers.

Carex filifolia Nutt.

polytrichoides Muhl.

Breweri Boott.

Geyeri Boott.

siccata Dewey.

marcida Boott.

Douglasii Boott.

Hoodii Boott.

muricata Linn.

Carex stipata Muhl.
festiva Dewey.
vallicola Dewey.
athrostachya O.
tenella Schk.
Deweyana Schk.
 var *Rolanderi* Boott.
echinata Murr.
scoparia Schk. v. *fulva* B.
cristata Schwein.
aurea Nutt.
vulgaris Pries.
decidua Boott.
aquatilis Wahl.
lenticularis Michx.
salina Wahl. v. *minor* Boott.
Sitchensis Prescottt.
Jamesii Torr.
lacinata Boott.
livida Willd.
laxiflora Lam. Var.
 plantaginea Boott.
podocarpa R. Br.
Raynoldsii Dewey.
Pennsylvanica Lam.
Rossii Boott.
amplifolia Boott.
filiformis L. v. *latifolia* Bo.
trichocarpa Muhl. var.
monile Tuckerman.
vesicaria Linn.
 var. *lanceolata* Olney.
 var. *globosa* Olney.
pseudocyperus Linn. var.
 comosa Boott.
nigricans C. A. Meyer.
Kunzei Olney.
leporina L. v. *Americana*
albolutea Schwein.
 var. *brunnea* Olney.
 var. *sparsiflora* Olney.
elata Allion.
borealis Lang.
Mertensii Prescottt.
ferruginea Schk.
frigida Allion.
Oregonensis Olney.
rhomboides Schk.
macrocephala
scirpoides Michx.
Liddoni Boott.

GRAMINEÆ.

Paspalum distachyon Linn.
Panicum capillare L.
 scoparium Lam.
 dichotomum L.
 Crus-galli Linn.
Leersia oryzoides Swartz.
Phleum alpinum Linn.
Alopecurus pratensis Lam.
 aristulatus Michx.
 geniculatus Linn.
 saccatus Vasey.
Beckmannia erucaeformis Host.
Phalaris arundinacea Linn.
 intermedia Bosc.
Hierochloa borealis Rœm. & Sc.
 macrophylla Thurber.
Coleanthus subtilis Seidel.
Vilfa depauperata Torr.
 gracillima Thurber.
Sporobolus cryptandrus Gray.
 asperfolius Thurber.
Polypogon littoralis Smith.
 Monspeliensis Desf.
Agrostis alba Linn.
 aequivallis Trin.
 Scouleri Trin.
 exarata Trin.
 asperifolia Trin.
 varians Trin.
 elata Trin.
 scabra Willd.
 canina Linn.
Cinna arundinacea Linn. var.
 pendula Gray.
Muhlenbergia glomerata Trin.
Calamagrostis stricta Trin.
 Canadensis Beauv.
 Langsdorffii Trin.
 deschampsii Trin.
 Alentica Trin.
 sylvatica DC.
 Howellii Vasey.
Eriocoma cuspidata Nutt.
Stipa comata Trin. & Rupr.
 occidentalis Thurber.
 setigera Presl.
 viridula Trin.
Spartina cynosuroides Willd.
 gracilis Trin.

Danthonia Californica Bolander
 var. *unispicata* Thurber.
Avena fatua Linn.
Trisetum cernuum Trin.
 canescens Buckl.
 subspicatum Beauv.
 var. *molle* Gray.
Aira cespitosa Linn.
 elongata Hook.
 danthonioides Trin.
 caryophyllea Linn.
 latifolia Hook.
Phragmites communis Trin.
Keeleria cristata Pers.
 var. *Oregana*
Eatonia obtusata Gray.
Melica imperfecta Trin.
 bulbosa Geyer.
 fugax Bolander.
 bromoides Gray.
 acuminata Bolander.
 poaoides Nutt.
Distichlis maritima Raf.
Lophochlaena refracta Gray.
Glyceria fluitans R. Br.
 nervata Trin.
 aquatica Smith.
 pauciflora Presl.
Atropis distans Griseb.
 Californica Munro.
 tenuifolia Thurber.
Poa annua Linn.
 alpina Linn.
 abbreviata R. Br.
 pratensis Linn.
 trivialis Linn.
 serotina Ehrhart.
 stenantha Trin.
 glumaris Trin.
 borealis Hook.
 arctica R. Br.
 flexuosa Muhl.
 alsodes Gray, v. *occidentalis*
 purpurascens Vasey.
Eragrostis reptans Nees.
Festuca Myurus Linn.
 tenella Willd.
 erostachys Nutt.
 virga Linn.
 var. duriuscula Gray.
 orbella Torr.
 pauciflora Thunb.

Bromus racemosus Linn.
 ciliatus Linn.
Ceratochloa grandiflora Hook.
 breviaristata Hook.
Lolium perenne Linn.
 temulentum Linn.
 siculum Parl. ?
Triticum repens Linn.
 caninum Linn.
 strigosum Lessing.
Hordeum nodosum Linn.
 jubatum Linn.
Elymus arenarius Linn.
 condensatus Presl.
 var. *triticoides* Thurber.
 dasystachys
 Sibiricus Linn.
 Canadensis Linn.
 Sitanion Schult.

EQUISETACEÆ.

Equisetum arvense Linn.
 Telmateia Ehrh.
 robustum Al. Braun.
 hiemale Linn.
 lexigatum Al. Braun.
 limosum Linn.

OPHIOGLOSSACEÆ.

Botrychium ternatum Swartz.
 Virginianum Swartz.

FILICES.

Polypodium vulgare Linn.
 falcatum Kellogg.
 Scouleri Hook. & Gray.
Gymnogramme triangularis Kf.
Cheilanthes gracillima Eaton.
Pellaea densa Hook.
Cryptogramme acrostichoides
Pteris aquilina Linn. var.
 lanuginosa Bong
Adiantum pedatum Linn.
 emarginatum Hook.
Lomaria spicant Desv.
 var. *serratum* Woll.
Asplenium Trichomanes Linn.
 Filix-fœmina Bernhardi.
Phegopteris alpestris Mettenius
 Dryopteris Fee.

Aspidium rigidum Swartz, var.
 argutum Eaton.
 spinulosum Swartz, var.
 dissectum Hornem.
 minutum Kauffuss.
Cystopteris fragilis Bernhardi.
Woodsia scopulina Eaton.
Oregana Eaton.

LYCOPODIACEÆ.

Lycopodium annotinum Linn.
 clavatum Linn.

SELAGINELLEÆ.

Selaginella rupestris Spring.
 Oregana Eaton.
 Douglasii Spring.
Isoetes Nuttallii Al. Braun.

MARSILIACEÆ.

Marsilia vestita Hook. & Grey.
 longipes Aust.

SALVINIACEÆ.

Azolla Caroliniana Willd.

MUSCI.

Portia cavifolia Ehrh.
 minutula Bruch. & Schimp.
 rubiginosa Mitten.
Weissia cirrhata Hedw.
 crispula Hedw.
Dicranum virens Hedw.
 var *serratum* B. & S. -
 polycarpum Ehrh.
 subulatum Hedw.
 heteromallum Hedw.
 Schreberi Swartz.
 crispum Hedw.
 strictum Schleich.
 fuscescens Turner.
 scoparium Hedw.
 palustre LaPyl.
 palucidum
 majus Turner.
Ceratodon purpureus Bridel.
Leptotrichum flexicaule Hampe.
Desmatodon latifolius Bridel.
 cernuus B. & S.

Barbula longipes Lesq.
 rigidula Schimp.
 confusa Smith.
 virens Bridel.
 oblonga B. & S.
 leypila Bridel.
 barbula Bridel.
 ruralis Hedw.
 Muelleri B. & S.
*Fissidens limbatu*s Sulliv.
 grandifrons Bridel.
 adantoides Hedw.
Listichium capillaceum B. & S.
Hedwigia ciliata Ehrh.
Braunia californica Lesq.
Zygodon lapponicus B. & S.
Tetraphis pellucida Hedw.
Grimmia scouleri Macil.
 apocarpa Hedw.
 polynata Smith.
 leucophaea Grey.
 montana B. & S.
Rhacomitrium patens Schimp.
 Nevii Eaton.
 canescens Bridel.
 heterostichum Bridel.
 lanuginosum Bridel.
 microcarpum Bridel.
Ulota phyllantha Bridel.
 crispula Bruch.
Orthotrichum cupulatum Hoffm.
 Jamesianum Sulliv.
 speciosum Nees.
 pulchellum Smith.
 consimile Mitt.
 Lyellii Hook. & Tayl.
Eucalypta vulgaris Hedw.
 ciliata Hedw.
 rhabdocarpa Schwaegr.
Dissodon Hornschuchii G. & A.
Tayloria splachnoides Hook.
 serrata B. & S.
Physcomitrium pyriforme Bridel.
Funaria californica S. & L.
 calcarea Wahl.
Bryum polymorphum B. & S.
 nataus Schreb.
 crudum Schreb.
 commutatum Watson.
 Tozeri Grey.
 albicans Bridel.
 intermedium Bruch.

Bryum bimum Schreb.

Oreganum *Sulliv.*
 subrotundum *Bridel.*
 pallescens *Schwaegr.*
 caespitium *Linn.*
 capillare *Linn.*
 argenteum *Linn.*
 pallens *Swartz.*
 Atwateriæ *Muell.*
 Duvallii *Voit.*
 pseudotriquetrum *Schw.*
 turbinatum *Schwaegr.*

Mnium affine Bland.

Menziesii *Muell.*
 punctatum *Hedw.*
 venustum *Mitten.*
 Drummondii *Bruch. & Sch.*
 Nevii *Muell.*
 spinulosum *B. & S.*

Timmia megapolitana Hedw.

Meesea uliginosa *Hedw.*
 longiseta *Hedw.*
 tristicha *Bruch.*

Aulacomnium androgynum Sch.

palustre *Schwaegr.*

Bartramia Menziesii Hook.

ithyphylla *Bridel.*
 pomiformis *Hedw.*
 fontana *Bridel.*
 odeir

Catharinaea Callibryon Ehrh.

Oligotrichum Lyallii *Lindb.*
 Pogonatum contortum *Lesq.*
 Polytrichum piliferum *Schreb.*
 juniperinum *Hedw.*
 commune *Linn.*
 formosum *Hedw.*

Buxbaumea aphylla Haller.

Fontinalis antipyretica *Linn.*
 Lescurii *Sulliv.*

Diehelyma falcatum Myrin.

uncinatum *Mitten.*

Hookeria lucens Smith.

anomala *Muell.*

Climacium Americanum Brid.

Leskea polycarpa *Ehrh.*

Neckera Menziesii Drum.

Douglasii *Hook.*

Antitrichia curtipendula Brid.

var. gigantea *Sulliv.*

Californica *Sulliv.*

Alsia Californica Sulliv.**Alsia abietina Sulliv.****Hypnum crispifolium Hook.**

Blandowii *Web. & Mohr.*
 lutescens *Huds.*
 Nuttallii *Wils.*
 arenarium *Lesq.*
 megaptilum *Sulliv.*
 pseudosericeum *Muell.*
 collinum *Schleich.*
 salebrosus *Hoffm.*
 declivum *Mitten.*
 aspernum *Mitten.*
 myosuroides *Linn.*
 stoloniferum *Hook.*
 Brewerianum *Lesq.*
 aggregatum *Mitten.*
 acuticuspis *Mitten.*
 leucocladulum *Muell.*
 compressulum *Muell.*
 strigosum *Hoffm.*
 Stokesii *Turner.*
 Oreganum *Sulliv.*
 Bigelovii *Sulliv.*
 Alleghaniense *Muell.*
 denticulatum *Linn.*
 undulatum *Linn.*
 robustum *Hook.*
 pulchellum *Dicks.*
 turfaceum *Lindb.*
 elegans *Hook.*
 sylvaticum *Linn.*
 trichophorum *Spruce.*
 compactum *Muell.*
 serpens *Linn.*
 filicinum *Linn.*
 uncinatum *Hedw.*
 fluitans *Linn.*
 subimponens *Lesq.*
 circinale *Hook.*
 arcticum *Sommerf.*
 engyrium *Schimp.*
 ochraceum *Turner.*
 splendens *Hedw.*
 triquetrum *Linn.*
 loreum *Dill.*
 colpophyllum *Sulliv.*

Sphagnum molluscum Bruch.

acutifolium *Ehrh.*
 imbricatum *Wilson.*
 squarrulosum *Lesq.*

The following species, are reported as growing in Klickitat Co., Washington Territory, by W. N. Saksdori.

Rumiculus repens Linn. var.
hebecarpus Hook. & Arn.

Decentra uniflora Kellogg.

Astragalus inflexus Dougl.

Sibbaldia procumbens Linn.

Tellima tenella Walp.

Mitella Breweri Gray.

Epilobium juvenum

Stricula Nevadaensis Watson.

Oregonia linearifolia Watson.

Gnaphalium microcarpa Hook.

Symphoricarpos mollis Nutt.

Plectritis samilifolia

Aster adscendens Lindl.

Antennaria Carpathica R. Br.

Trizuloides T. & G.

Helianthella uniflora T. & G.

Bidens frondosa Linn.

Senecio hydrophilus Nutt.

Microseris linearifolia Gray.

Campanula scabrella

Lysimachia ciliata Linn.

Erythraea Muhlenbergii Griseb.

Menyanthes trifoliata Linn.

Phlox longifolia Nutt.

var. *Stansburyi* Gray.

Gilia Larseni Gray.

Eritrichium oxycaryum Gray.

Echinospermum hispidum Gray.

Castilleja miniata Dougl.

Verbena prostrata R. Br.

Oxyria digyna Campdera

Polygonum Hartwrightii Gray.

hydropteroides Muhl.

Parietaria Pennsylvanica Muhl.

Salix lasiolepis Benth.

myrtiloides

rostrata Richardson.

Picea Engelmanni

Cypripedium Austiniae Watson.

Sisyrinchium mucronatum Mx.

Calochortus longibarbatu W.

Sparganium minimum Bauhin.

Juncus Oreganus Engelm.

Eriophorum gracile Koch.

Hemicarpha occidentalis Gray.

Carex interrupta Bae.

utriculata Boott.

Setaria viridis Beauv.

Melica Harfordii Bolander.

Equisetum palustre Linn.

littorale

Botrychium simplex Hitchcock.

Ophioglossum vulgatum Linn.

Aspidium aculeatum Swartz. v.

scopulinum Eaton.

Isoetes Bolanderi Engelm.

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